

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Currently amended) A method of adding an element to a partition of a partitionable computer system comprising
the element receiving an instruction to join the partition ~~by the element~~;
determining ~~the a~~ security status of the element;
the element updating a routing table of a routing device in communication with the partition and the element being permitted to update the routing table only when the security status of the element is a secure state where the element is executing trusted software; and
transitioning the security status of the element to an unsecure state other than the secure state.
2. (Original) The method of claim 1 wherein the receiving comprises receiving the instruction from a processor of the partition.
3. (Original) The method of claim 1 wherein the updating comprises adding an element identifier to a route enable mask of the routing device.
4. (Original) The method of claim 1 wherein the determining comprises accessing a register.
5. (Currently amended) A method of moving an element from a first partition of a partitionable computing system to a second partition of the partitionable computing system comprising:
sending to the element ~~receiving~~ an instruction to join the second partition ~~by the element~~;
removing the element from the first partition;
updating a routing table of a first routing device in communication with the second partition when ~~the a~~ security status of the element is a secure state where the element is executing trusted software;

updating a routing table of a second routing device in communication with the first partition when the element is removed from the first partition; and
transitioning the security status of the element to an unsecure state other than the secure state.

6. (Original) The method of claim 5 wherein the receiving comprises receiving the instruction from a processor of the first partition.

7. (Original) The method of claim 5 wherein the updating comprises adding an element identifier to a route enable mask of the first routing device.

8. (Original) The method of claim 7 wherein the updating further comprises removing an element identifier from a route enable mask of the second routing device.

9. (Original) The method of claim 5 wherein the determining comprises accessing a register.

10. (Original) The method of claim 6 further comprising rebooting the element after the removing.

11. (Original) The method of claim 10 further comprising performing self-initialization by the element.

12. (Original) The method of claim 11 further comprising transitioning the element from an unsecure state to a secure state after the self-initialization.

13. (Original) A method of transitioning an element associated with a partition of a partitionable computer system comprising:

removing the element from the partition; and

rebooting the element thereby causing the element to transition to a secure state where the element is executing trusted software.

14. (Original) The method of claim 13 wherein the rebooting comprises performing self-initialization by the element.

15. (Currently amended) A method of removing an element from a partition of a partitionable computing system comprising:

receiving an instruction to remove the element;

removing the element from the ~~first~~ partition; and

updating a routing table of a routing device in communication with the partition when the element is removed from the ~~first~~ partition.

16. (Original) The method of claim 15 wherein the receiving comprises receiving the instruction from a processor of the partition.

17. (Original) The method of claim 15 wherein the updating comprises removing an element identifier from a route enable mask of the routing device.

18. (Original) The method of claim 15 further comprising rebooting the element after the removing.

19. (Currently amended) A method of forming a partition of a partitionable computing system during a boot process comprising:

receiving an instruction by an element to join the partition;

determining ~~the~~ a security status of the element;

updating a routing table of a routing device in communication with the partition when the security status of the element is a secure state where the element is executing trusted software; and

transitioning the security status of the element to an unsecure state other than the secure state.

20. (Original) The method of claim 19 wherein the receiving comprises receiving the instruction from a processor of the partition.

21. (Original) The method of claim 19 wherein the updating comprises adding an element identifier to a route enable mask of the routing device.

22. (Original) The method of claim 19 wherein the determining comprises accessing a register.

23. (Currently amended) A computer readable medium comprising instructions configured to instruct a partitionable computer system to add an element to a partition of a of the partitionable computer system by:

the element receiving an instruction to join the partition ~~by the element~~;

determining ~~the~~ a security status of the element;

updating a routing table of a routing device in communication with the partition when the security status of the element is a secure state where the element is executing trusted software; and

transitioning the security status of the element to an unsecure state other than the secure state.

24. (Currently amended) A computer readable medium comprising instructions configured to instruct a processor of an element of a partitionable computer system to move an element from a first partition of a partitionable computing system to a second partition of the partitionable computing system by:

receiving an instruction to join the second partition by the element;

removing the element from the first partition;

updating a routing table of a first routing device in communication with the second partition when ~~the~~ a security status of the element is a secure state where the element is executing trusted software;

updating a routing table of a second routing device in communication with the first partition when the element is removed from the first partition; and

transitioning the security status of the element to an unsecure state other than the secure state.

25. (Currently amended) A computer readable medium comprising instructions configured to instruct a processor of an element of a partitionable computer system to remove ~~an~~ the element from a partition ~~of a~~ of the partitionable computer system by:

receiving an instruction to remove the element;

removing the element from the ~~first~~ partition; and

updating a routing table of a routing device in communication with the partition when the element is removed from the ~~first~~ partition.

26. (Currently amended) A computer readable medium comprising instructions configured to instruct a partitionable computer system to create a partition of a partitionable computer system during a boot process by:

an element receiving an instruction ~~by an element~~ to join the partition;

determining ~~the~~ a security status of the element;

updating a routing table of a routing device in communication with the partition when the security status of the element is a secure state where the element is executing trusted software; and

transitioning the security status of the element to an unsecure state other than the secure state.